PROJECT DESCRIPTION

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF AN INTERSECTION CONTROL BEACON AT MD 7 (PHILADELPHIA ROAD) AND RAPHEL ROAD IN BALTIMORE COUNTY. MD 7 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

I. NORMAL OPERATION

THE INTERSECTION WILL OPERATE IN A FLASHING MODE WITH EASTBOUND AND WESTBOUND MD 7 APPROACHES FLASHING YELLOW. THE SOUTHBOUND RAPHEL APPROACH WILL FLASH RED.

CONTROLLER REQUIREMENTS:

A FULLY - TRAFFIC - ACTUATED - EIGHT- PHASE TRAFFIC SIGNAL CONTROLLER IN A POLE - MOUNTED SYSTEM READY CABINET WILL BE INSTALLED AT THIS INTERSECTION.

SPECIAL NOTE:

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7631 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE, AND PHONE NUMBER

EQUIPMENT LIST

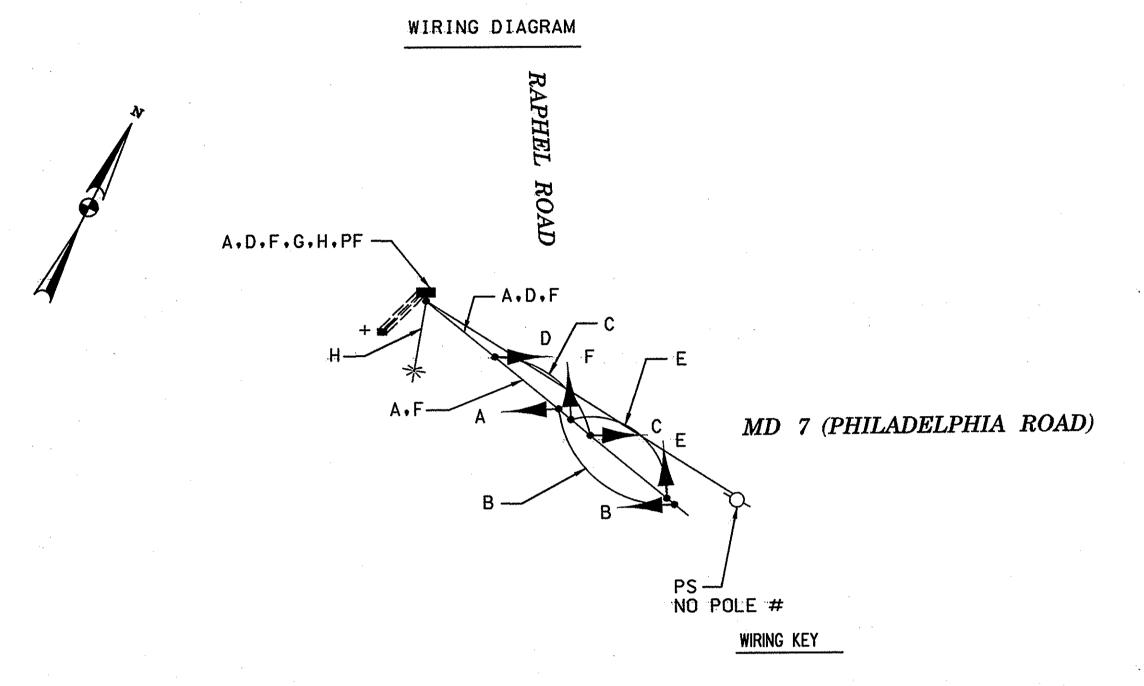
A. FQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE CONTRACTOR:

CATAGORY	TO BE SOLVEILD BY SHA AND INSTALLED BY THE CONTINUOUS				
CODE NO.	SPEC. NO.	QUANTITY	DESCRIPTION		
900000	900000	I EA.	FURNISH NEMA SIZE 5 POLE MOUNTED CABINET AND CONTROLLER		
900000	900000	I EA.	FURNISH 27 FT STEEL MAST ARM POLE W/70 FT MAST ARM		
900000	900000	I EA.	FURNISH 15 FT. LIGHTING ARM FOR SIGNAL STRUCTURE.		
900000	900000	33 S.F.	FURNISH SHEET ALUMINUM SIGNS		
:		- 3 EA	D-3(I) SIGN 96"×16"		

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR:

CATAGORY CODE NO.	SPEC. NO.	QUANTITY	DESCRIPTION
120500	104	L.S.	MAINTENANCE OF TRAFFIC
203030	205	1 C.Y.	TEST PIT EXCAVATION
801004	801	5 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION.
802501	810	20 L.F.	FURNISH AND INSTALL STRANDARD BARE COPPER GROUND WIRE (NO. 6 AWG).
805010	805	30 L.F.	FURNISH AND INSTALL I* ELECTRICAL CONDUIT-GALVANIZED RISER.
811001	811	7 EA.	FURNISH AND INSTALL ELECTRICAL HANDHOLE.
831010	806	I EA.	FURNISH AND INSTALL 250 WATT HPS LAMP AND LUMINARE.
813015	813	33 S.F.	INSTALL OVERHEAD SIGN.
818052	818	I EA.	INSTALL 27 FT STEEL MAST ARM POLE W/70 FT MAST ARM. (NOTE: 4-2" DIAMETER X 72" LENGTH ANCHOR BOLTS SHALL BE REQUIRED).
837001	804	I EA.	FURNISH AND INSTALL GROUND ROD -3/4 IN. DIA. X 10 FT. LENGTH.
860272	814	6 EA.	FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION (BLACK FACED).
861107	810	200 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG).
861108	810	200 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG).
861116	810	50 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG).
866103	808	I EA.	INSTALL 15 FT. LIGHTING ARM ON SIGNAL STRUCTURE.
805135	805	640 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
805118	805	IIO L.F.	FURNISH AND INSTALL 4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT - BORED.
805140	805	25 L.F.	FURNISH AND INSTALL 4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
871201	816	I EA.	INSTALL CONTROLLER AND CABINET - POLE MOUNTED.

PHASE CHART



- A 3 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- B F) 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
 - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
 - H 3 2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)
 - PF POWER FEED 3-CONDUCTOR (NO. 14 AWG)
 - PS POWER SOURCE
 - + $\frac{3}{4}$ IN. \times 10 FT. GROUND ROD

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MR. GRADON TOBERY
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 321-2821

MS. SUENETTE POPE UTILITY ENGINEER PHONE: (410) 321-2841

MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630

SHA

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD. 7 (PHILADELPHIA ROAD) AT RAPHEL ROAD
GENERAL INFORMATION SHEET

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	REVISIONS	
		SCALE NONE DATE 6-05 CONTRACT NO. BA3925130
SON, MURMIRAN & THOMPSON Engineering A Brighter Future		DESIGNED BY CQD COUNTY BALTIMORE DRAWN BY CQD LOGMILE 03000710.04 CHECKED BY MW TIMS NO. F752 FAP NO. SEE TITLE SHEET TOD NO.
		TS NO. 4434 DRAWING - 2 OF 2 SHEET NO. 14 OF 17

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